

Children's Newspaper

Every Wednesday—Threepence

FOUNDED BY ARTHUR MEE

No 1680, June 2, 1951

A £4,000,000 SHIP ON MAIDEN VOYAGE MAGNIFICENT NEW ORIENT LINER

By the CN Shipping Correspondent

WITH the crest of the Scottish island of Oronsay (broadsword and targe) on her bows, the new 23,000-ton *Oronsay* is now on her first voyage to Australia; and among the 600 officers and crew aboard are two men who were in the first *Oronsay* when she was sunk 500 miles off Freetown in 1942 and have every reason to be proud of the new ship in which they serve.

Robinson Crusoe's island

ROBINSON CRUSOE'S island in the South Pacific is now a barren mass of rock and dirt, with no lush trees and only a few palms.

That is what Jack Percival, a well-known Australian journalist, has had to say about Juan Fernandez after flying low over the island in *Frigate Bird II*, with Captain P. G. Taylor, on the recent survey flight from Australia to Chile and back.

In *Robinson Crusoe*, Daniel Defoe drew a happy picture of this island of the South Seas which is believed to have suggested the story to him. There, it is said, the shipwrecked Alexander Selkirk (the supposed original of Robinson Crusoe) lived in solitude from 1704 to 1709.

Mr Percival has reported seeing a few mountain goats on the island, but no signs of the sandy beach on which Man Friday made his footprints.

The *Oronsay*, which cost £4,000,000, is the second of the three sister ships with which the Orient Line are replacing their wartime losses. *Orcades* was the first, and the third is newly ordered from the Vickers Armstrong yard at Barrow where the others were built.

The *Oronsay* has one large central buff funnel, mounted on a casing containing the officers' accommodation, and only one mast, mounted on a lighthouse-like base which is topped by the radar scanner. She also carries four pairs of samson-posts for working the 5000 tons of cargo which she will carry in addition to her crew of over 600, and 663 first-class and 833 tourist class passengers.

Speedy vessel

The *Oronsay* has a speed of over 25 knots, and is expected to cut the pre-war time to Australia and back from 96 to 69 days for the round voyage. This improvement, however, will only be possible by putting the demands of speed before those of cargo.

Passengers in the tourist class will eat in a large dining-room decorated with engraved glass panels of old-time ships; they will sit on gay tartan-checked chairs. They will sleep in two, four, or six-berth cabins with running hot and cold water, and it will cost each of them between £60 and £90, according to the comforts and sizes of their cabins.

£850 flat

At the other end of the scale, is the £850 luxury flat for two, with its built-in radio, square windows arranged in patterns of six, and specially-designed carpets and hangings in cool blue and white. The flat has its own bathroom and little kitchenette fitted with refrigerator.

The public rooms of the *Oronsay* are decorated with "doodles" of handle-bar moustaches and modern mermaids by an Australian artist; by a sailing ship model of the original *Orient* which was built away back in 1953 and gave the Line its name; by pictures made of pressed flowers and butterflies; and by engravings in amber on white glass in three depths.

Fascinating indeed are the *Oronsay's* extremely modern galleys, with their adjacent Dairy, Confectionery, Bakery,

Continued on page 2



LUXURY IN THE DORMITORY

THE newly-built dormitories and suites at Cottey College, Nevada, Missouri, must be unique throughout the American continent. Each suite is named after a State, and comprises one large furnished lounge where the girls can entertain friends, a modern kitchen with streamlined, chromium-plated sink and electric hotplates, and bedrooms to sleep ten students.

The suite named after New Mexico has brightly-coloured curtains printed with Mexican scenes, and the paintings on the walls are by Mexican artists.

A catch in it

THREE-YEAR-OLD Linda Nicolson always accompanies her father on his fishing trips, so she was made a member of the Gretna Angling Club.

Father gave her a toy fishing rod, and she followed his example by angling in the River Kirtle. Linda cast, hooked an eight-inch trout, and landed it herself.

Dad, anxious to emulate his daughter, cast and cast. But the catch for the day was: Linda, one fish—Dad, no fish.

GOOD MORNING!

A Polar bear greets the world from its home at Sir Garrard Tyrwhitt-Drake's Maidstone Zoo.

Signed by the dog

PEOPLE unlucky enough to have a banknote badly damaged have to complete a form stating how the damage was done; every year the Post Office receives over 24,000 of these forms.

Frequently a dog addicted to chewing paper is the culprit, and sometimes the Post Office gets a form describing the last resting-place of the remnant of the note as "In dog's inside"; on one occasion the answer was "In darling Fido's tum-tum."

In these cases a certain difficulty arises at that part of the form requiring the signature of the person responsible for the damage. Some applicants state shortly, "Dog can't write," or, more dryly, "We have not yet trained dog to write." The most ingenious reply in a form was the imprint of the crring dog's paw.

Vickie Lynn Christian, born recently at Goodland, Kansas, was the first girl born into the Christian family for 100 years.

LIGHTER VEIN

ENGLAND is not the only country to suffer from electricity cuts. In New South Wales black-outs are frequent, because the generating stations cannot cope with increasing demands.

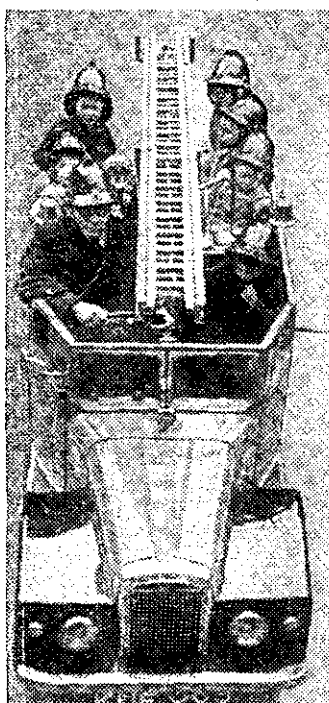
But even a black-out can have its humorous side. One night recently at Lindfield, a Sydney suburb, the local cinema remained blacked out until the emergency plant could be brought into operation. During the darkness a voice in the audience was heard to say: "If I'd known this was going to happen I'd have brought a book."

There's a distinct Cockney flavour about that one from Down Under.

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WHAT'S THE HURRY?



The passengers of this model fire-engine at Brighton may not be going to a fire, but it is great fun pretending to. Complete in every detail, the fire-engine is capable of speeds up to 30 m.p.h.

New steps toward Atlantic unity

THE recent Strasbourg meeting of the Consultative Assembly of the Council of Europe arrived at what may prove to be the most important decision in a comparatively brief career.

Agreement was reached on an approach being made to both Houses of Congress in the United States to discuss common problems. The democracies of the Old World should work in closer association with this great democracy of the New World.

If it is inconvenient for members of Congress to meet the whole Assembly at Strasbourg, possibly in October, a representative delegation may go to Washington. This may possibly lead to a much closer co-operation between the European Assembly and the North Atlantic Treaty Organisation, and, by the formation of a Western confederation, make further progress towards a practical scheme of Atlantic unity.

Old quarrels ended

With this development fresh in mind, the Assembly spent very little time in discussing European unity. Indeed, this now seems to be taken for granted, at any rate among West European nationals, thanks to a sincere desire on the part of the French and German peoples to forget their old quarrels.

Questions now engaging the attention of the Assembly have become extremely complicated. For instance, how far shall economic unity go? Here we come up against the famous Schuman Plan which aims at the unification of West European coal and steel industries and provides for an international body able to impose its will on national authorities. Can this be accepted? Britain has already

said No, and it is not without interest to note that German and other voices were raised in Strasbourg against certain points in the scheme. The path to European economic integration does not follow the easy way.

Less controversial was the suggestion to bring Portugal and Yugoslavia within the framework of the Council of Europe. Neither country can claim to be democratic in the accepted sense of the word. The suggestion put forward at Strasbourg was to find out if they would subscribe to the Convention of Human Rights. If so, two more European States would come under the influence of democratic ideas.

Trade problems

It was, perhaps, significant of the anxiety about the future felt by all the delegates that economic problems dominated their discussions. Shortage of raw materials, co-operation of industries, and inter-European trade were all debated at length. But it was plain to see that the delegates all agreed that the need for unity among the peoples is supremely important—far more important than any differences among them.

Like a family, the nations are inter-dependent, and must do their best to help each other.

NEW LINER

Continued from page 1

and Still Rooms, and the Refrigerated Cupboards, Cold Larders, Bread Rooms, and Fish Rooms stuffed with tempting food.

There are special Children's Dining Rooms and Play Rooms, with an open-air sand pit and paddling pool; and boys and girls can, of course, share in the joys of the ship's deck swimming baths which are lined with cool green tiles. The *Oronsay* also boasts a large sports arena just forward of the bridge but sheltered from the breezes by high, specially designed screens.

This magnificent liner takes her name from the famous ship which was sunk by torpedoes off the coast of Africa during the war. Hit on an earlier occasion by a bomb on her bridge during the evacuation of our troops from France, her captain safely navigated her home from St Nazaire with the aid of a French motor-map and a penny ruler.

Eight lives left

WHEN a freighter left New York for Sydney a kitten was accidentally shut up in a hold some 40 feet below decks.

To free the creature would have meant discharging hundreds of tons of cargo; so for two months milk and meat have been lowered down to the hold through a ventilator pipe, and all being well the kitten should by now have been set free—with eight lives left.

Spotting a sunspot

A STUDENT of Ohio State University who happened to look at the Sun through the observatory telescope just before it set, not long ago, saw that there was something unusual going on there, 92,965,000 miles away.

He sent for Dr Hynek, Director of the observatory, who agreed that the Sun had developed an outsize spot out of season, for the sunspot cycle reached a climax two years ago.

It was big enough to have contained the Earth several times over, for it was estimated to be 100,000 miles long and 25,000 miles wide, and the Earth's diameter at the Equator is 7926 miles.

FALSE BEAK FOR A BIRD

To make a false beak for a secretary bird which had broken the top section of its beak in wire-netting at Bristol Zoo—this was the curious request recently made to the city's Dental Hospital.

The broken part of the beak was sent to the hospital to serve as a model, and a metal replica was riveted on the remaining portion of the bird's beak.

The secretary bird gets its name from the protruding quills at the back of its head which give it an air of clerical intelligence. Indeed, it looks rather like a feathered Micawber, quill pen in ear, waiting hopefully for something to turn up.



By the C.N. Press Gallery Correspondent

THREE rather interesting things have happened at Westminster since the Whitsun recess: the Lords have returned to their original chamber, the price of Hansard has gone up, and the Editor of the Commons' Hansard has retired.

A great deal of refurbishing has gone on to make the Lords' chamber ready after its occupation by the bombed-out Commons for nearly ten years. Their lordships meanwhile had been using the ornate but snug little Robing Chamber almost under the Victoria Tower, and many were sorry to leave it.

THE regular daily production of Hansard, or the Official Report (though it is not officially "official") when Parliament sits, is one of the printing marvels of the day.

From 1923 until now Hansard has been delivered into the hands of each peer and MP first thing on the morning after the events of the previous day (of which it is a verbatim record as far as possible) at 6d a copy. This now goes up to 9d. Weekly bound editions go up from 1s 6d to 2s (Commons) and from 1s to 1s 6d (Lords).

In the last financial year the loss on Hansard was about £45,000.

COPIES of Hansard are free for those peers who make speeches in particular debates. Lord Saltoun has been asking for "a rather larger" issue of free copies. This is understandable.

After a recent speech about the care of old folk, whom he has championed many times, this Scottish peer received an overwhelming "fan-mail." As he insists on replying to each letter in his own handwriting, which is superb, the task was overwhelming.

The effect of newsprint shortage means that not even the biggest newspapers have room to print full reports of speeches, so it is more convenient for public men to send their correspondents copies of Hansard.

FOR 30 years Westminster Palace has been a second home to Mr James Donoghue. Now he has just left it after a distinguished career as Editor of Hansard.

He is going back to his native Ulster where, from a headland, he can watch the ships passing between him and Mr John McKie's Galloway constituency with a fine pair of field glasses presented to him by his Parliamentary Gallery colleagues.

LIFE has been more puzzling than ever lately. Examples: Mr Mikardo: I don't know why the hon gentleman walks into the chamber at half-past eight in the evening and starts interrupting at 20 minutes to nine.

Another MP: If hon members opposite want to interrupt, let them do so in such a way that we can hear the interruption.

And an ex-Minister said to have come in "cooing like a dove" was also said to have "taken the sting out of hon members!"

NEWS FROM EVERYWHERE

WEBB-FOOTED

In a close-season football match at Pulham, Norfolk, one of the teams consisted entirely of members of the Webb family. They played the rest of the village.

Of 519 schoolchildren's bicycles examined by Hertfordshire police 221 were faulty.

Although he has worked for more than 60 years on the same farm at Mileham, Norfolk, Mr William Walpole has declined the offer of a long service medal.

Surrey County Council have purchased a movable stage for use in their schools.

Weather fever

The Royal Meteorological Society is holding an essay competition for under-21's. First prize is £5—subject, the weather.

A Thames cargo vessel, the Naughton, built at Berwick, is claimed to be the first ship launched on the Tweed for 60 years.

Chatham schools, by increasing their savings group membership from 25 to 33 per cent, have won a National Savings challenge issued to them by Portsmouth schools.

FROM NORMAN ENGLAND

Some 12th-century paintings have been discovered in Peakirk church, near Peterborough, Northants.

An exhibition of English armour opened at the Tower of London by the Duke of Gloucester includes 26 suits made in the workshops established by Henry VIII at Greenwich in 1511.

The 2,000,000th passenger by the Government-owned trans-Australian Airlines was given a set of travelling bags and a pass for a free trip with his family to any part of Australia.

The Algerian Horticultural Society sent Princess Elizabeth flowers from Algiers to wear on her dress at the Flower Ball in London on May 22.

Safety First

A total of 93 years' service without a single accident is the record of London bus-drivers Thomas Middleton, William Barrett, and Archibald Lee.

The Chapter House of Westminster Abbey has been reopened. Stained-glass windows damaged by blast have been replaced.

A Danish team of doctors and nurses, equipped with the entire serum stock of the Danish State Institute, is in Greenland fighting a measles epidemic.

Australia's population at the end of last year was 8,315,000, an increase of just over 250,000, during 1950. The gain from migration was 152,000.

The bird gallery at the Natural History Museum, South Kensington, damaged during the war, has been reopened to the public. One pavilion is now devoted exclusively to British birds.

More than 185,000 people from 83 nations visited Shakespeare's birthplace last year.

Festival Features

"SKY-VIEW" coaches with glass roofs are in service in London for sight-seeing trips.

Ely Urban Council have reversed their decision not to spend money on Festival of Britain celebrations, and have allocated £13 as prizes for window-box displays.

Chipping Campden, Gloucestershire, with a population of 2015, has raised £215 for a Festival Week.

Ashbourne Rural District Council are placing a brick marked "Festival of Britain 1951" in every building erected in the town during 1951.

Handel's Water Music has been featured in a water pageant on the River Avon during the Bath Assembly celebrations.

Ealing is combining its Festival celebrations with a programme of events from June 3 to 24 to mark the jubilee of the borough.

An appeal for £5000 has been launched to restore the fabric of St Martin's, Canterbury, the oldest Christian church in Britain, and make it safe for the thousands of people who visit it every year.

The Kelseys, a fine rocky headland of 305 acres between the bathing beaches at Holywell Bay and Porthjoke, close to Newquay, Cornwall, has been acquired by the National Trust in part payment of death duties on the estate of Lady (Richmond) Brown, the explorer.

"Reading is much more sport than washing! These wizard books from Hatchards are enough to make any chap forget to go behind the ears! This month I've read..."

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★ Naomi Wainwright ISLAND PONY CLUB ... 8/6
★ Emmeline Garnett THE SCARLET SNUFFBOX 7/6
★ Bartineus HAMMY AND THE BEANSTALK ... 6/-

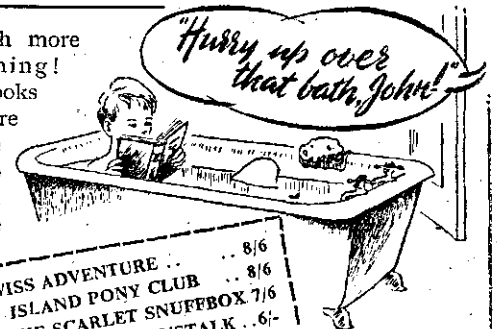
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The Children's Newspaper, June 2, 1951

THE FAITH OF BRITAIN

A vivid picture of the history of Christianity in our islands during the past 1500 years will be presented at The Faith of Britain Exhibition which is to be opened on June 6 in the Crypt of St Paul's Cathedral by the Headmaster of Harrow School, Dr R. W. Moore. The story is told in 57 historic scenes, illustrating the influence of Christianity on our national life.

The Exhibition has been organised by a committee representing the British and Foreign Bible Society, Missionary societies, and other bodies. It will be open on weekdays, 10.45 a.m. to 7 p.m.

SALVATION ARMY JUBILEE

The Salvation Army this year celebrates the diamond jubilee of one of the most outstanding events in its history: the start of its social rescue work under the "Darkest England" scheme.

This followed the publication in 1890 of William Booth's book *In Darkest England*, largely written by W. T. Stead, which attacked the social evils of the day and created a sensation by the revelations of how "the submerged tenth" lived. Within three months the public had subscribed £100,000.

The rescue work began in a small way by the sheltering of tramps from the Thames Embankment. Now the Salvation Army's work extends throughout the world and is carried on in 17,000 institutions of different kinds. It includes hospitals and clinics, hostels and homes, industrial training centres, aid departments, and eventide homes.

INSTEAD OF RICE

BEFORE long we may have a new milk pudding which will look and taste very much like rice. Made of a combination of tapioca and groundnuts, the cereal has been developed by Indian food experts as the result of experiments made at the Central Food Technological Institute in Madras.

India, a rice-eating country, is desperately short of rice and the new synthetic cereal will partly fill its place. It is particularly nourishing, and comparatively cheap.

WHEN THE CAMERA WAS YOUNG

"MASTERPIECES of Victorian photography" is one of the Festival exhibitions at the Victoria and Albert Museum, and it is one of absorbing interest to all young photographers.

The pictures, all from the collection of Mr Helmut Gernsheim, show a remarkable appreciation of light and shade effects; and this is evident in the accompanying photograph of an ice-cream seller of 1876—selling half-penny ices!



ORLANDO THE

MARMALADE CAT AND HIS WIFE



Harold Turner as Orlando the Marmalade Cat, and Sally Gilmour as Mrs Orlando, as they appear at the Festival Gardens, Battersea, in the Orlando Silver Wedding Ballet

LIFE-RAFT FOR PLANES

A FORM of life-raft for aeroplanes, working on the principle of the autogiro with rotating wings, has been designed by an Italian engineer.

The vanes are attached to a section of the aircraft's cabin, and in an emergency this part can be detached from the rest. It will then float to earth, the rotating wings, acting as a kind of parachute, turned by the upward rush of air.

WIN A WIRELESS SET

Next week the second of a new series of complete-in-one-week competitions will appear. First prize will be a wireless set—and there will be 20 other awards. Order your CN now!

LETTER OF THANKS

THE other day the postal authorities moved a letter box at Illington, a lonely Norfolk parish. They put it up again on a more central site close to the cross-roads.

The head postmaster of the area must have been delighted that the first letter dropped into the box was a message of thanks from a parishioner.

IVORY JOE

JOE YARMALOW, a welder at Churchill, Canada's most northerly seaport, is the central figure at a ceremony held aboard the first freighter arriving for grain cargo each summer when the ice breaks up.

The captain of the freighter is presented by members of the harbour staff with a tiny ivory carving of a polar bear or other Arctic animal; and it is always the work of Joe Yarmalow, or "Ivory Joe" as he is popularly known.

Joe learned to carve back in his native Lithuania in a little village schoolroom. There he carved in wood; in Canada he uses walrus tusk, obtained from the huge animals that are hunted by the Eskimos for food. Each tusk is from 15 to 20 inches long and provides several pounds of cream-coloured ivory.

FRONTIER INCIDENT

DURING a recent transport strike at Detroit the traffic problem became so acute that people who had motored to work drove into Windsor in Canada to park their cars, and then took a bus ride back to work in the United States.

TRAFFIC SIGNALS FOR AIRWAYS

THE network of air corridors providing safety lanes for aircraft criss-crosses the whole of Britain, and is now almost complete.

The air lanes, each ten miles wide, vary from 3000 feet to 11,000 feet in height. They link up the principal airports, and aircraft using them have to observe certain precautions to avoid the risk of collision.

As reported in the CN some months ago, a series of radio beacons equally spaced along these airlines will do duty both as milestones and as traffic signals. As with the block system of signals on the railway, no pilot can pass a beacon until the section in front is empty, but will keep circling the beacon until he receives the All Clear.

A feature of the air corridor system will be the most up-to-date air-ground telephone system in the world, enabling pilots to speak direct to ground control staff from any part of the system.

40 YEARS IN THE ARCTIC

JULIAN RUGAAS, a 65-year-old Norwegian coal-miner, has been honoured by gunfire salutes, hoisting of flags, and a special Rugaas programme on the radio.

It was a tribute to the 40 years of service this veteran has given to the Spitsbergen (Svalbard) coal-mining settlement, away up in the Arctic archipelago, 600 miles from the North Pole.

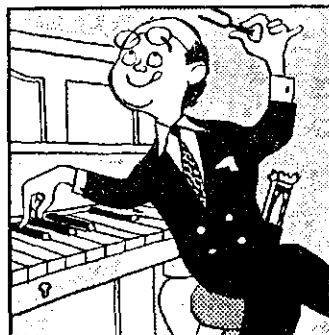
He has spent only one winter away from Spitsbergen, and then he returned from Norway in the spring, telling his workmates that "the winter in Norway is terrible."

FUSSY FEEDERS

PENGUINS are fussy about the freshness of their fish, and six Black-Footed penguins from the Guano Islands that arrived not long ago at the Chester Zoo had to be forcibly fed until they learned, reluctantly, to take a dead fish from their keeper.

One of them, Percy, escaped and went to a military hospital a mile from the zoo, perhaps in search of fresher fare. After being brought back he escaped again and went to another hospital a mile and a half away. Again he was disappointed and seemed quite relieved when his keeper came to take him home.

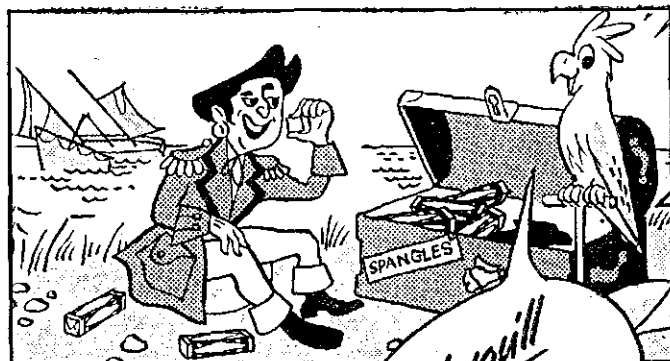
Contemptuous of the newcomers' fads was Oswald, an old-timer penguin at the zoo, who is the only survivor of an attack made on the penguins by a wild fox last year. He turned up his beak at these Guano gourmets.



Tuners love SPANGLES

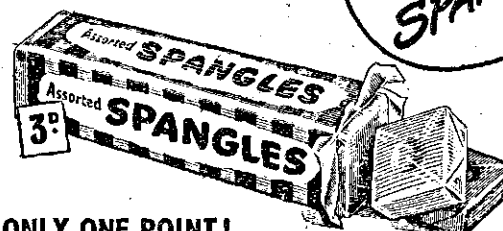


Ballooners love SPANGLES



Captains of old, wrecked schooners love SPANGLES

and you'll love SPANGLES!



WONDERFUL NEW FRUITY SWEETS

ONLY ONE POINT!

Made by Mars

THE LEISURELY KAFFIR MAIL

From a South African Correspondent

ALTHOUGH the word *Kaffir* has been banished from general use in South Africa, it lingers on in the name of the Union's most historic train—the *Kaffir Mail*.

This train, which runs regularly between Johannesburg and Durban, is a survival from the days when it was the swiftest means of transport from the coast to the goldfields.

Sixty years ago gold-mining on the Rand was more dependent on native labour than it is now, and the crowds of Zulus, Pondos, Swazis, and Basutos who packed the coaches gave the train the name that has persisted to this day.

Eleven miles an hour

Few Europeans travel by it; for them there are express trains that cover the Johannesburg-Durban trip in 18 hours—against the 36 hours taken by the *Kaffir Mail*.

Each morning the *Kaffir Mail* rumbles and wheezes out of Johannesburg station on its 400-mile journey to the coast. Its ancient coaches might have stepped straight out of an Emmet cartoon; but when it is out on the veld it shakes down into a leisurely pace, and piccaninnies shout greetings to the driver from the fence bounding the track.

Then it is that the *Kaffir Mail* seems to sigh and say: "This is where I belong."



TIDDLERS AND TADPOLES



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Antarctica in London

On board the Royal Research Ship *Discovery* moored off the Thames Embankment is an exhibition of Antarctic exploration. Here we see two Sea Scouts preparing "Scott's Last Stand."

C N ASTRONOMER WRITES OF . . .

Stellar discoveries and radar revelations

MAN'S powers of perception are extending rapidly, not only by direct vision through more powerful telescopes but also indirectly through sources of energy normally beyond the range of his senses.

Stellar radar is revealing more and more dark stars and stars not bright enough to be revealed by their own light. There may, in fact, be more dark suns and worlds in the Universe than there are luminous ones. We know also by experiment how vast a field is hidden from us in Nature, yet may be revealed by ultra-violet light and infra-red rays.

All this is supremely wonderful to us, but still more are the possibilities now coming within man's reach through the exploration of the vast field provided by electro-magnetic energy, which like light itself, radiates from the most remote depths of space.

Hitherto, man's sight has been the only sense by which he could contact objects beyond his reach; now through his exploitation of the waves of electro-magnetism, man's vision is being added to as if by another sense.

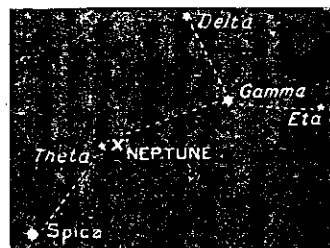
Eccentric planet

Astronomers, however, have long possessed a means of sensing the existence of an unknown object, and it is well over a century ago that one of the first and most wonderful examples of this was presented through the eccentricities of the planet Uranus. Watched carefully through the telescope, Uranus went faster and then slower, instead of maintaining a uniform speed. It also deviated to right and left.

Then a genius, John Couch Adams, of Cambridge University, conceived the idea—and proved it by mathematics—that these eccentricities were due to the gravitational pull of another unknown world over a thousand-million miles from Uranus. He also calculated where this world should be at a given date, and

asked both the Astronomer Royal at Greenwich and also the Cambridge astronomer, Challis, to watch for it.

Meanwhile, a French mathematician, Leverrier, having made similar investigations, indicated where the disturbing planet would be found to the astronomer Galle, of Berlin, who



Neptune and the stars of Virgo

on September the 23rd, 1846, promptly identified it. Challis, however, had found the planet (which is now called Neptune) some weeks before and had it recorded; but he had used a slower method for identification.

This triumph of mathematical skill and precise observation proved how the existence of the unknown may be revealed, and now, with the aid of a two-inch telescope, we may see Neptune for ourselves in the southern sky on any dark night. It will be found among the stars of Virgo in the position indicated by X on the star-map. This tiny object of 7.7 magnitude may be verified in a few weeks by its motion, which was the method adopted by Professor Challis. Similar achievements have since been repeated in other areas, notably in the discovery of Pluto and the wonderful planetary companion to Sirius.

Yet, by the application of our new knowledge, certain curious motions of visible stars may be explained. For radar should provide information about the power of their gravitational pull and the strength of their electro-magnetic radiations. G. F. M.

At the Science Museum it is all so simple

AMONG the multitude of exhibitions now joining in the Festival of Britain up and down the land none is more interesting to the seeker after knowledge than that of the Science Museum at South Kensington. Here everything from the atom to the earliest steam locomotive can be studied at leisure, and understood even by those whose knowledge is peculiar rather than extensive.

A feature which is attracting considerable attention is a game known to every schoolboy and schoolgirl. Usually it is played with a heap of matches divided into units from one up to four. The game is to take away units in such an order that one or other of the players can win by being able to take away the final unit.

At South Kensington this "last-in" game is played with coloured lights controlled by a switch against an electronic "brain" which computes the correct move with an uncanny degree of accuracy. Here is a chance for really bright youngsters with a mathematical turn of mind to engage in a fascinating trial of skill—they can at least tie with the robot.

Knowledge about nature

This is but one of a great number of clever ideas brought together at this exhibition of science. The aim here is to present science as it is—the steady discovery of knowledge about Nature.

One great obstacle to the popular understanding of science has been the use of unfamiliar words; but in this exhibition of specially-designed displays and working models no words need get between the visitor and the story—a story which can indeed be understood by any child with the most elementary scientific knowledge.

As is only to be expected in this atomic age, radio activity and nuclear physics figure prominently in the exhibition. Indeed,

the public enter through a series of rooms in which they are introduced to the minutest of all the particles. This is done by taking the graphite of an ordinary lead pencil and enlarging it progressively until it is 10,000 million times its natural size.

It looks simple enough to discover an atom in this way; but, of course, there is much more in it than that.

From this introduction the visitor passes on to new and exciting displays showing what is now known of the inner structure of the atom and of the living cell, how substances are built up, and how and why animals and plants grow as they do. Furthermore, a free cinema shows films dealing with chemistry, biology, and physics.

A Stop Press section, too, sets out some of the lines on which contemporary research is actually proceeding.

On the historical side, cartoons and pictures show the museum as it was in 1875, when first set up.

Past and future

Among other exhibits in this section are a splendid yellow and black phaeton; a sedan chair; a Victorian perambulator for two children; and a manual fire-engine hardly recognisable beside a gleaming model of its modern counterpart.

All the exhibits reflect the Science Museum's own story of scientific progress, and give a vista of its further expansion in that completed building which an artist has drawn for our eager, forward-looking eyes.

RETURN OF A HEROIC KING

NEXT week we are to entertain the King of Norway and his son, Crown Prince Olaf. From June 5 to 8 King Haakon VII will stay at Buckingham Palace in the same suite that he used for giving audiences when he was exiled here for five years during the war; then he will stay for a few more days at the Norwegian Embassy. Part of his programme is a visit to the South Bank.

A majestic figure—he is 6 feet 3½ inches tall and 78 years of age—Haakon was chosen to

be King by the Norwegian people when they separated peacefully from Sweden in 1905. He was the second son of Frederick VIII of Denmark. His Queen, who died in 1938, was Maud, daughter of our King Edward VII.

King Haakon was a resolute leader of his people in the war. Refusing to treat with the invading Germans, he came to London in a British warship, and in a broadcast declared: "We will watch over that considerable part of Norway which is still free—namely, our merchant fleet—and see to it that the Norwegian flag shall still be flying on every sea . . . we cannot believe that love of freedom and will to freedom can ever die in Norwegian hearts."

Over 30,000 valiant Norse sailors followed him and came over to the Allied cause, with 1600 Norwegian ships.

In 1945 King Haakon returned to Oslo amid scenes of tremendous rejoicing. His Prime Minister, who had been with him in exile, said, "In England we found friendship and hospitality that we shall never forget."

In 1951 King Haakon will still find the same friendship here, and the evergreen memory of Norway's loyalty.

In the park



A titbit for one of the deer in Richmond Park, Surrey.

The Children's Newspaper, June 2, 1951

In the service of Science



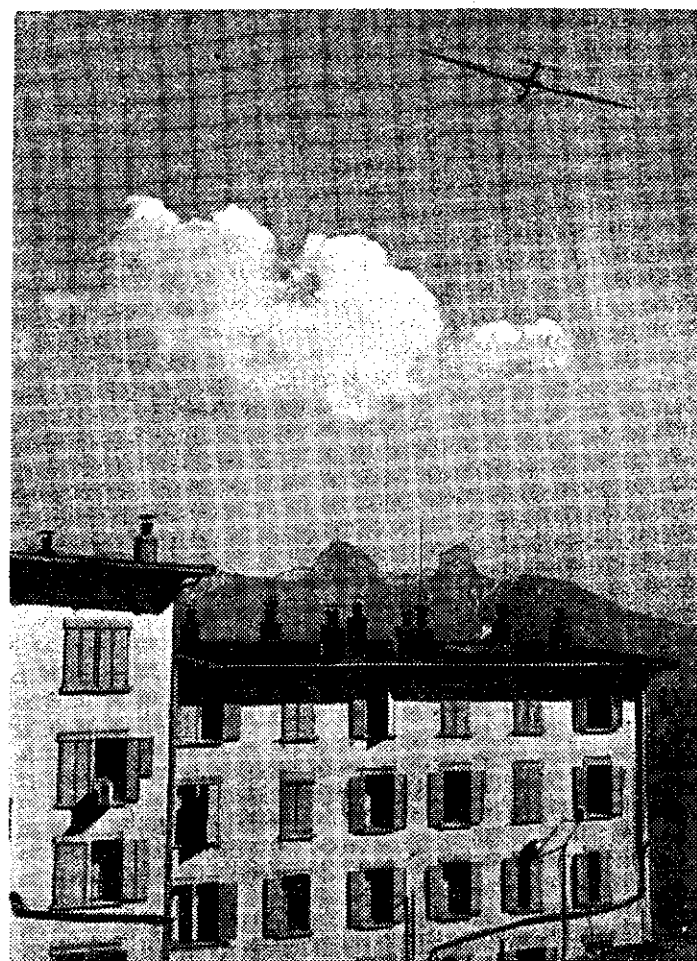
The body of a glider is carried to the top of Rochers de Naye



A meteorological post on the top of the mountain



A Radio Sonde carried by three balloons is here about to be launched. During ascent the radio transmits details of temperature, pressure, humidity, and other details. At 33,000 feet two of the balloons are released, leaving the third balloon to make a slow descent with the radio. The findings are then compared with those from other stations.



A glider soars above the railway station

THESE pictures show how atmospheric conditions are studied in the Swiss Alps. The gliders which help are used by the Aerological Alpine Camp situated on the Rochers de Naye, 6300 feet above Montreux; from here they take off and often soar to a height of over 10,000 feet.

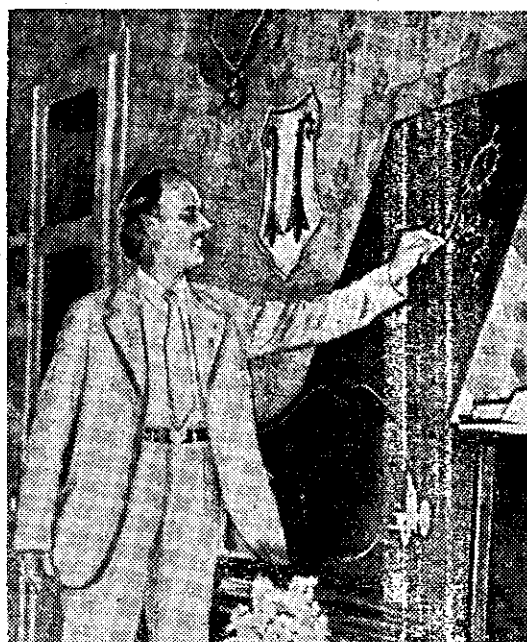
Knowledge of the behaviour of air currents and atmospheric pressures is necessary for the greater safety of civil aviation, and it is sometimes of great

value to farmers in the Swiss valleys. For icy currents from the glaciers often bring frost to the orchards. When such frost danger is imminent the Swiss Meteorological Laboratory warns the farmers, who then take measures to avoid serious damage to vines and trees.

In studying the Alpine atmosphere, these scientists are not only serving their own country, but safeguarding the passage of the airliners of other nations.



The findings of the Radio Sonde during ascent are automatically recorded on the tape of this radio receiver



Professor Piccard, the famous Belgian balloonist, lecturing to students at the laboratory on Rochers de Naye



An observer at one of the ten observation posts on various altitudes on Rochers de Naye

THINGS SAID

AMERICANS make a terrific labour of saving labour in the kitchens.

A British housewife after a visit to the U.S.

IN my profession as a soldier I found two rules in particular of great value. Firstly, you must think and plan well ahead, and secondly you must not worry.

Field-Marshal Lord Montgomery

TO get the best out of English men one has to set an all-but-impossible target.

Mr R. S. Hudson, M.P.

ENGLISH oak has often been taken as a symbol of our national characteristics, and I believe it is equally a true symbol of our native institutions which are the product of our character.

Princess Elizabeth

Our feet are bigger

BRITISH and American feet appear to have grown bigger since 1900. The findings of the Shoe Research Association reveal that the average adult foot grew by 0.2 inches between 1900 and 1930, and in the following twenty years the increase has been 0.15 inches.

The North American Negro has the biggest foot, averaging 10.7 inches, and the Englishman the shortest, 10.3 inches; the feet of English and American women are about the same size, 9.4 inches.

No-one is able to say why feet have grown bigger this century, for certainly we do not use them as much as the Victorians did. But perhaps it does not matter much; the great thing is to keep one's feet firmly on the ground and not get a swollen head.

LOOKING BACK

Oh! dear to the memory of those hours
When every pathway led to flowers;
When sticks of peppermint possessed
A sceptre's power to sway the breast,
And heaven was round us while we fed
On rich ambrosial gingerbread.

Eliza Cook

Children's Newspaper

John Carpenter House
Whitefriars · London · E.C.4

JUNE 2 1951

GOOD MANNERS IN THE COUNTRY

"TEN COMMANDMENTS" have been drawn up by the National Parks Commission for people visiting the countryside.

They are explained in an illustrated booklet published by H.M. Stationery Office, and in a foreword Dr C. M. Trevelyan, O.M., writes: "If the simple rules of conduct laid down here are neglected by visitors to the country, food production and country life will be hampered, and the farmer will regard the holiday-maker from town as his enemy. This must reduce the opportunities for free enjoyment of the countryside for visitors."

Guard against all risks of fire.
Fasten all gates.
Keep dogs under proper control.
Keep to the paths across farmlands.
Avoid damaging fences, hedges, and walls.
Leave no litter.
Safeguard water supplies.
Protect wild life, wild plants, trees.

Go carefully on country roads.
Respect the life of the countryside.

For C.N. readers, Kipling's famous poem, *The Law of the Jungle*, might well be adapted:

Now this is the Law of the Country
—as old and true as the sky;
And the Child that shall keep it
may prosper, and we hope that
all children will try.

THE TEST

WHEN one remains modest, not after praise, but after blame, then one is really so.

Jean Paul Richter

Under the Editor's Table



PETER PUCK
WANTS
TO KNOW

If electricians make
light of their work

SOMEONE suggests that the pig population should be increased. But we don't want any more road hogs.

THERE is a lot of walking to be done at the Festival Exhibition. But you can go two days running.

BILLY BEETLE



Music-makers in shirt sleeves

THE exiled Englishman has few sweeter memories of home than that of the music of church bells ringing across the fields and woods on a summer evening. He thinks with Cowper:

... Wherever I have heard
A kindred melody, the scene
recurs,
And with it all its pleasures and
its pains.

Yet as we listen to these mellow sounds we seldom think of the unseen volunteer ringers, skilfully handling the ropes in some old grey tower.

Recently some of them went to a campanologists' conference at Chester; among them was one, Mr Frank Bennett, of Brighton, aged 82, who had just rung his 1581st peal, and has rung bells in 675 towers all over the country. Another veteran was Mr John Jones, aged 85, of Newport, Monmouthshire, who since 1889 has reminded audiences who pay nothing to hear:
*How soft the music of those
village bells
Falling at intervals upon the ear
In cadence sweet!*

We owe much to these devoted servants of the church.

GRATITUDE

NOW that missionaries of all nations have withdrawn from China it is pleasant to record the gratitude of one wealthy Chinese Christian living in Hong Kong. He has presented one million dollars, about £375,000, to establish a home in California for retired missionaries.

In sending the money to the American Presbyterian Board of Foreign Missions, he wrote, "I make this gift in gratitude to God for my Christian education and life, and in appreciation of the service your missionaries have given to China."

GOOD SAMARITANS

THE Good Samaritan Brigade is busy in Guildford.

These volunteers collect pensions for the old people of the town, do their shopping, and sometimes just sit and talk. One Good Samaritan looks after 35 old people; many others spend an evening with them.

Loneliness and the feeling of being unwanted are perhaps the saddest burdens that old people are called on to bear. To ease those burdens of the aged is the dedicated service of the Good Samaritan. May their numbers increase in Guildford and every other town!

The docker



This fine statue of a docker is by the Belgian sculptor Meunier, and is one of the exhibits in the open-air exhibition of sculpture in Battersea Park, London.

Road courtesy week for all of us

NEXT week is National Road Courtesy Week, and it is being supported by 1000 local committees throughout the country.

Courtesy on the Road Saves Lives is the great message, and it is being illustrated in many novel ways. At Coventry, for instance, a well-known firm of confectioners will produce cakes with road courtesy designs in connection with a guessing competition, and there are to be suitable floral designs in the parks. Famous figures in the entertainment world are also helping.

Some people seem to think that reckless behaviour on the roads denotes a daring spirit; they forget that it is merely a display of thoughtlessness and bad manners.

If all road-users were only to behave as politely on the highway as they usually do elsewhere, there would be few accidents.

Should all cats wear collars?

OUR Dumb Friends' League contends that cats should be raised at least to the status of dogs, pointing out that the cat is the only domestic animal largely unrecognised by the law.

The League suggests that laws should be passed to compel cat-owners to see that their animals wear a collar with their name and address clearly inscribed on it, and possibly also to compel their owners to pay a licence.

This, the League feels, will enable animal charities to know which cats are strays and which are not, and so to relieve the suffering of the homeless.

As for the cats themselves, they remain disdainfully above the battle. They hold that long ago they raised themselves to a status far above that of a mere dog!

JUNIOR JUBILEE

THE Silver Jubilee of the London Junior Orchestra, founded by Mr Ernest Read, is being celebrated at the Royal Festival Hall on June 1 at 8 p.m. with a 25th Birthday Concert given by the London Junior and Senior Orchestras.

It is appropriate that the silver jubilee of this splendid institution should fall in Festival of Britain year, and fitting that the orchestras will close their birthday concert with William Alwyn's Festival March, specially commissioned by the Arts Council.

The young people of these orchestras, past and present, have a real achievement to celebrate. Behind them lies 25 years of fine work, enabling many young players to develop their talents and to become proficient musicians.

All honour to Mr Ernest Read; he began a great service to British Music when in 1926 he founded the L.J.O., and its senior branch four years later.

JUST AN IDEA

As Sir Josiah Stamp wrote: *People who have the hardest time are the people who take things easy.*



OUR HOMELAND

The Rufus Stone and Twin Trees, in the New Forest, Hampshire

The Children's Newspaper, June 2, 1951

THE HUT MAN WRITES OF FIELD FOLK OF JUNE

THE Cuckoo has a variety of calls, and the curious variations of the well-known "coo-coo" may be heard during any month while the bird is with us, not only in May and June. Sometimes he calls "coo-coo-coo," sometimes it is "coo-coo-coo-coo," and occasionally a single short "coo."

We can be almost certain we are listening to the male bird when we hear the most familiar of the Cuckoo's calls, for although the female can also call "coo-coo" her usual cry is a peculiar chuckle not unlike the sound of bubbling water.

The female Cuckoo is hardly less known for her curious call than for her equally curious habit of leaving her eggs and young ones to the care of foster-parents. For many years it was thought that the Cuckoo laid her egg on the ground, picked it up in her bill, and placed it in the selected nest of meadow-pipit, hedge-sparrow, wagtail, or other small bird, but we know now that this is not what happens.

The female Cuckoo watches the chosen nest from a nearby perch; then, when an opportunity occurs, she flies to the nest while the owners are absent, lifts out an egg with her bill and lays her



A young cuckoo being fed by a meadow-pipit

own egg in the nest in its place. She then flies off with the stolen egg and either swallows or drops it. The number of eggs laid in this way is generally about ten or twelve, though some Cuckoos have been actually seen to lay as many as twenty-five—each one, of course, in a different nest.

The life story of the young Cuckoo is familiar to most of us. If it is the first to hatch it ejects the other eggs from the nest; if the last to come from the shell it treats its foster brothers and sisters in the same way. In the end the young Cuckoo is left sole occupant of the nursery, receiving the food which rightly should have been divided between four or five nestlings.

JUNE is the month in which to find the attractive little Orange-tip Butterfly. In rough meadows and along hedgerow banks the female Orange-tip is now laying her tiny yellowish-green eggs on the flower stalks of hedge-mustard and lady's-smock. Her wings bear no sign of the colour from which her race is named, for they are tipped with blackish grey on a creamy white ground; it is only the male whose forewings carry the large patch of orange at their tips, the extreme points edged with black.

The full-grown caterpillars of this interesting little butterfly are greenish blue in colour, with whitish hairs along the back, a

colour scheme so like the plants on which they feed that we must search carefully in order to find them. In late July or early August the caterpillars change into one of our most curiously-shaped chrysalids, a sort of flattened triangle with tapering ends slung from a flower stem by a



Orange-tip on lady's smock

fine silken girdle. Here the insects remain, from August until May of the following year, when the fully-formed butterflies emerge to flutter around the opening flowers.

As we walk through the long meadow grass our legs are soaked by thousands of little frothy masses which cling to every tall blade and flower-stem. What are they, and how did they come there, these tiny clusters of frothy bubbles? They are called "cuckoo-spit," a name arising from a rather humorous belief of country people.

But the Cuckoo does not add this unpleasant habit to that of leaving its young ones, unasked, to the care of foster-parents. No, each little mass of soap-suds is the work of a baby insect which, on emerging from its eggs, begins blowing bubbles, surrounding itself with a soapy nursery which protects it from the attack of birds and other enemies. Inside the mass of bubbles the little creature feeds and grows on the juices of the plant. When fully grown it crawls from its retreat and dries itself in the sunshine.

It is then a Frog-hopper, resembling a very tiny brown frog as it sits poised on a grass blade but capable of taking leaps which, size for size, would put any frog to shame. Let us sit only a few



Acrobatic frog-hopper

minutes in any meadow and one of these little Frog-hoppers will land on our arm or knee; but approach a finger or grass-stem and—hey presto!—it has disappeared into thin air, hurled outwards and upwards in one of the most spectacular of Field Folk acrobatics!

Thrills at the Telecinema

By Eric Gillett

A FIRST experience of Telecinema at the Festival of Britain exhibition on the South Bank was interesting and exciting.

To begin with, a short colour film, *Around is Around*, showed colour patterns, with objects apparently moving out from the screen into the middle of the cinema and then retreating into a space far behind the surface of the screen. The accompanying music was composed to exploit the stereophonic sound equipment—a solo musical phrase can move about the cinema, independent of its orchestral accompaniment.

In one sequence of the film, which was produced by Norman McLaren, a fanfare originating in the distance behind the screen builds up in the auditorium in the same way that a row of columns springs up in the far distance behind the screen and advances to the audience.

This impressive film was followed by another, called *A Solid Explanation*, a black-and-white stereoscopic film with some delightful glimpses of giraffes, who seem to be stretching their necks almost over the heads of the audience. There are also seals, hurling themselves into the water with such enthusiasm that the audience expect to find themselves soaked to the skin.

Then there was *Distant Thames*, with some of the best Technicolor I have ever seen. It shows the upper reaches of the Thames just before spring comes, and ends with a magnificent view of Windsor Castle.

The Telecinema is still in an experimental stage. The time will come when members of the audience will not need the spectacles which at present are handed out to enable them to obtain the stereoscopic effects. The uses of stereophonic sound equipment will also be widely developed.

The Telecinema should not be missed; it gives revealing glimpses of The Shape of Cinema to Come.

CYCLE SERVICE

9. Dérailleur Gears

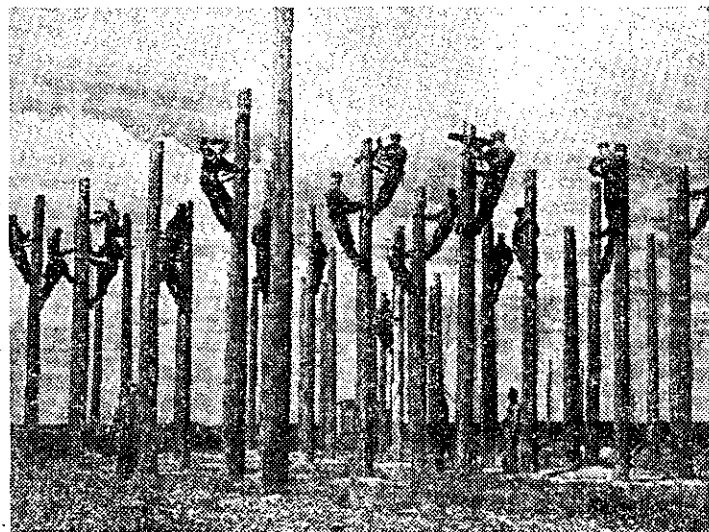
FOR the tourist and everyday rider dérailleur (chain) gears have the advantage of being generally lighter than a hub gear, and of being more accessible for adjustment and repair. On the other hand, they cause more chain wear, and pick up dust and mud from the road.

When fitting a dérailleur gear ensure, by packing washers if necessary, that the centre cog is aligned with the chainwheel of the cycle. Ensure, too, that the chain tends neither to jump into the spokes of the wheel on bottom gear nor to rub against the seat stays on top. An alloy disc can be fitted to your wheel.

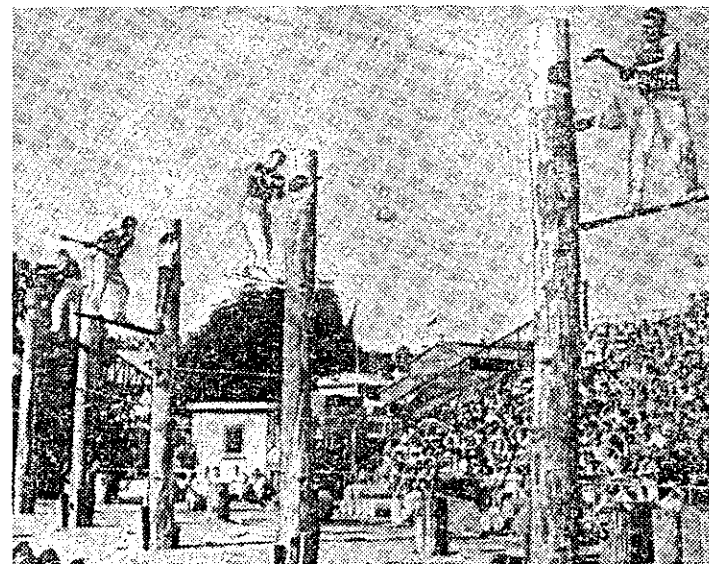
Tighten the screw on your gear lever to prevent slipping out of gear, but not so tight as to prevent changing gear smoothly. Remember that you keep pedalling to change on a dérailleur.

Lubricate thoroughly. Consult your dealer about the correct oils. Consult him also if you find something wrong with the gear; dérailleurs are easily damaged in inexperienced hands.

UP THE POLE IN TWO LANDS



This picture shows students of the US Air Force Training Command practising climbing and working aloft with tools at a technical camp in Cheyenne, Wyoming.



The men in this picture need no practice in climbing and working aloft. They are tree-felling experts competing in the World's Championship at Sydney.

He eloped and became Lord Chancellor

The legal profession has produced many famous characters, but none more remarkable than John Scott, the 1st Earl of Eldon, who was born on June 4 just 200 years ago. He was a son of a wealthy Newcastle coal merchant, and a younger brother of Lord Stowell, the distinguished judge who was a great authority on international law.

JOHN SCOTT was educated at Newcastle Grammar School and University College, Oxford, with the intention of entering the Church. Instead, he became Lord Chancellor and created a record by holding continuous office for 20 years—a longer period than any Lord Chancellor before or since.

During a distinguished career at Oxford he gained a fellowship and in 1771 won the Chancellor's prize for an English prose essay. A year later he eloped with the daughter of a Newcastle banker and married her over the anvil at Gretna Green.

The marriage had a prejudicial effect on Eldon's chances of obtaining a living in the Church, and as a result he abandoned the idea of taking holy orders and turned to the law. He arrived in London in 1775 with only a few shillings in his pocket; but the next year was called to the Bar.

He had a hard struggle at first,

but within four years had established himself as an accomplished lawyer and his services were in great demand. In 1782 he became a K.C., and in the same year entered Parliament.

Success followed success, and he was appointed in turn to all the high offices of the legal profession. In 1799, having been made a peer, he took his seat in the House of Lords with the title of Baron Eldon. Two years later he became Lord Chancellor.

As a judge Lord Eldon came in for much criticism because of the time it took him to give a decision; but the delay was due always to his painstaking desire to do justice by studying every detail before pronouncing judgment. He had a habit of bursting into tears when sentencing prisoners, and this earned him the nickname of "Crocodile Eldon." He died in his 87th year, in 1838.

Plastics play a big part

AN exhibition illustrating the present wide uses and future possibilities of plastics will be open at Olympia, London, from June 6 to 16.

Producing a host of different articles from plastic materials is a modern scientific wizardry, and a special feature of the display shows the man-in-the-street what plastics are, how they are made, and the part they play in our everyday life.

For there is not a home in the country which does not possess several things made of plastics, from parts of mother's vacuum cleaner to sister's nylons. In fact we are using plastics all day, from the time we clean our teeth in the morning with a plastic tooth brush, until we switch off the wireless in its plastic cabinet before going to bed.

The show at Olympia—the British Plastics Exhibition and Convention—is the first to represent the whole plastics industry, and there will be about 100 exhibitors, all British. Colour films illustrating plastics will be shown every day. The Exhibition will be open to the public from 2.30 until 8 p.m., admission 2s 6d.

TREASURE ISLAND

THE Pacific Island of Nauru is the subject of a recent cheerful report by a visiting commission of the United Nations.

We learn that Nauru is now pouring out its phosphate treasures for the farmers of Australia and New Zealand in hundreds of ship-loads a year, and all the Japanese destruction has been reconstructed.

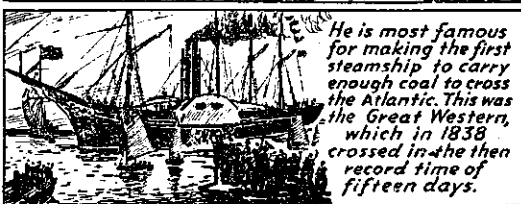
Nauru's wealth goes chiefly to her people, who get threepence out of every ton of phosphate. The island now has its medical centre and infant welfare clinic. Six Nauruan boys and one girl are in Australian universities. All widows, orphans, and invalids on the island have pensions, and enough money is being saved for the 3000 islanders to ensure that when the phosphate gives out 50 years hence they will have enough to live on.



Son of the famous engineer Sir Marcus Brunel, Isambard was associated with his father in building the first Thames tunnel from Rotherhithe to Wapping—a remarkable enterprise often endangered by flooding.

Pioneers 52. ISAMBARD BRUNEL, engineer of many parts

His genius lay in linking mathematical and metallurgical knowledge to natural inventive ability. Docks, bridges, and railways are only a few of his great engineering feats.



He is most famous for making the first steamship to carry enough coal to cross the Atlantic. This was the Great Western, which in 1838, crossed in the then record time of fifteen days.

Brunel did not rest at that; he built other larger ships, and devised screw propellers to drive them. And so he went on—inventing, perfecting, and improving to the end of his life.



FROM YARDS TO METRES, AND POUNDS TO KILOGRAMMES

THE Committee on Weights and Measures Legislation have published their report, and if the proposals are accepted by the Government we may expect to switch from yards to metres and from pounds to kilogrammes within the next 20 years. This is the minimum time in which in the opinion of the committee a change to the metric system could be made without causing considerable dislocation.

Two systems

For some time the simple metric system has been fully legal in this country as an alternative to the Imperial. The real problem facing Great Britain and other "Imperial" countries, state the committee, is "whether to maintain within their boundaries two legal systems of measurement or to establish world-wide uniformity by changing over completely to the metric system and abolishing the Imperial."

Meanwhile, an attempt is to be made to standardise the yard and pound, on which are based all the legal measures for this country. The Imperial Standard yard should accordingly be defined as exactly 0.9144 of the international metre and the Imperial standard pound as either 0.45359237 or 0.4535923 of the international kilogramme.

The "imperial" as they are called at the Standards Department of the Board of Trade, are usually inspected only once a

decade, an occasion which is known as the "decennial comparison of the standards." A few years back during such an inspection a spot was found on the Imperial Standard Pound. The consternation with which the Controller of Standards viewed it may well be imagined. For the Imperial Yard must be above suspicion.

Examples of the common yard may be inspected by anyone in Trafalgar Square or on the outside wall of the Royal Observatory at Greenwich, but the "imperial" are kept under strong lock and key.

The Imperial Standard Yard is marked on a bar composed of a material called Bailey's bronze. This bar is 38 inches long, and two gold plugs are sunk into it. A line is scratched on each, and the lines are 36 inches apart.

Sea road to the isles

IN the days when Highland roads were almost non-existent most travellers followed the old sea road to the Isles and took the boat across Loch Fyne from St Catherine's to Inveraray. For many years this ancient ferry service has been closed, but now a modern Diesel-engined craft has re-opened the service and will ply across Loch Fyne as the Highland boatmen did for centuries.

when measured with microscope and micrometer and when the bronze is kept at a constant temperature.

The Imperial Standard Pound is just as important a measure as its companion. This is a cylindrical-shaped piece of platinum and much ceremony accompanied its unveiling before the members of the Committee. It was covered with a glass tumbler while waiting on the table for the officials to arrive. Afterwards it was wrapped in special paper, then put in a silver-gilt thimble, which was placed in a gun-metal cask. Finally this was placed in the strong room safe.

One arm one yard

Standards were not nearly so accurate in medieval times, when a man's foot was accounted a foot in length and his arm a yard. It is easy to visualise the trouble that sometimes arose, since men varied so much in size. It was early in the 12th century that the arm of Henry I was accepted as being the fixed standard.

A corn of sound ripe wheat was the original measure of weight. Thirty-two of these made a penny-weight, 20 of the latter an ounce, and 12 ounces a pound. This was the only legal method of estimating weight used from the Norman Conquest to 1533, when an Act was passed authorising the use of avoirdupois weight for the buying and selling of meat.

Illyria's ancient capital

QUEEN TEUTA, Queen of Illyria, who lived in the third century A.D., built a beautiful city which she named Risan and made her capital.

Her people, who had long fought the Ancient Greeks, were conquered by Philip of Macedon, but later regained freedom and took to piracy in the Adriatic. Their harbour at Cattaro is one of the best on the Dalmatian coast.

When Rome in protest sent ambassadors to Queen Teuta she massacred them, but after nearly 200 years of fighting the Romans under Tiberius subjugated the country and ruled it as the province of Illyrium.

The city of Risan later fell into ruins, and its lovely buildings were buried when the country—now known as Montenegro and a part of Yugoslavia—was invaded by Slav peoples. But during the past few weeks Yugoslav archaeologists, digging on the site, have found several streets of the ancient city, and the walls of many of its fine buildings. They will continue their work throughout the summer in the hope of making more discoveries.

IRON HORSES IN RETIREMENT

IN a field near Boston in the United States the iron horses of America's railroads are being assembled on retirement.

The chug-chugging, coal-burning locomotive is giving way to the oil-burning Diesel engine, which negotiates the steep gradients and long-hauls of American railroads more efficiently.

One railroad which had 1300 steam-engines finds that 338 Diesels will do the same work. Oil is not so awkward to carry on long runs as coal, and filling the tank is a cleaner job than filling the coal tender.

So the old iron horses are out to grass, so to speak, and the powerful new giants are on the rails.

TILL EULENSPIEGEL—A new picture-version of his merry pranks (3)



Till was at last obliged to work for his living. He went to Brunswick and told a baker he was a baker's man. He was taken on, and his master told him to get on with the baking. "What am I to bake?" asked Till, which the baker thought a silly question. "Are you a baker's man and don't know what to bake?" he said scornfully. "Do you bake owls and monkeys?" And he went off to bed.



Chuckling, Till worked through the night. Next morning the baker was enraged to find his bakehouse full of loaves shaped like owls and monkeys. "But that is what you told me to bake," said Till. The baker cried: "Loaves in these ridiculous shapes are no use to anyone. Pay me for all my dough you have wasted and get out, and take your crazy loaves with you." Till paid and went off.



Walking along the street with his bread in a basket, Till saw a crowd of people coming out of church, and it occurred to him that they might like to buy his queer-shaped loaves. When he offered them, the people only laughed, but their children clapped their hands in delight at seeing loaves shaped like owls and monkeys, and they were soon begging the grown-ups to buy them some.



Even those who had not their children with them bought loaves to take home, and soon Till had sold all the loaves for much more money than he had had to pay the baker for the dough. When the baker heard what had happened, he was furious and rushed out to get a share of the profits from Till. By that time Till was well on his way out of the town with plenty of money jingling in his pocket.

What will be mischievous Till's next job? See next week's instalment

The Children's Newspaper, June 2, 1951

An ARTIST in SOUTH AFRICA

4. Dancing to the tom-toms

AFTER last week's exploration of the sinister lost lands of the Great Karroo, Richard Ogle this week deals with the rhythmic thunder of a tribal dance which he saw performed by 300 Basutos.

When I was a youngster I thought native dancing was associated with war, executed for the purpose of stirring up warlike passions, and finally to gloat over doomed prisoners.

The African, however, expresses the whole range of his emotions and signifies every phase of life in his dancing. His music may be primitive, but his dancing is intricate and full of feeling.

One of the most striking and impressive experiences of my travels was a tribal dance I was privileged to witness near Johannesburg. It was a private affair

performed for Africans by 300 Basutos, and we were the only white people present.

As an artist I naturally wanted to make

sketches, and was escorted into the compound by two massive "boys" solemnly carrying my painting gear. While one of them courteously held my colours, the other, a headman, gave the signal for the proceedings to begin with a shrill blast on a whistle.

A GROUP of natives in the centre of the red dust arena immediately started up a dozen isigubus, or tom-toms. These they beat in unison with the flat of their hands, while several others operated giant wooden xylophones to the accompaniment of a low chanting. The great white bone discs in their ears swung in unison with their movements, evoking the very spirit of pagan Africa.

Just such a sound must have greeted the ears of the early explorers and pioneers as they penetrated into the bush.

The leader of the dance, a curious figure wearing a pink mask, now beckoned to the dancers, whose glistening dark-brown bodies were adorned with circlets of white beadwork, and armlets and anklets of white goats' hair.

Following the leader round the wide arena some 300 muscular men formed a circle. Suddenly, at the shrill summons of the whistle, they fell upon their hands and knees and continued to shuffle round like four-footed creatures, the drumming and

chanting growing louder every minute.

ANOTHER blast on the whistle and they began playing what looked to me like leap-frog. Then, forming into straight lines, half the company leaped upon the others' backs giving a great cry as they swung upwards.

The tom-toms had now reached a volume of sound like the roll of thunder, and all the dancers rushed to the edge of the enclosure, whirling round like human Catherine wheels, urged on by the deep-throated chanting of the musicians.

Faster and faster spun the figures until they melted into brown and white blurs. The red dust rose in a cloud, and we gazed fascinated on a scene that might have been Dante's *Inferno*.

LOUDER and louder grew the chanting, and single figures broke away, whirling like the traditional dervishes and twirling spiked knobkerries round their heads in a frenzy of enthusiasm.

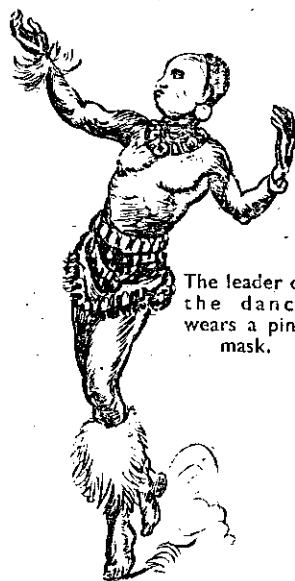


One huge fellow, his woolly mop cropped to a little pad on the centre of his cranium, rushed directly at me throwing himself at my feet, the whites of his eyes bloodshot, his mouth a wide pink slit in a dusty brown face as he emitted fierce yells.

Then, as suddenly, he leaped to his feet, twirled the black, steel-studded knobkerrie within an inch of my head, and in a moment was lost in the whirling mob of dancers.

In serried ranks round the

arena hundreds of their compatriots urged on the dancers to even more frenzied efforts, shouting, gesticulating, even leaping in the air like wildly excited children—as, indeed, they are in many ways.



The leader of the dance wears a pink mask.

ONE bearded Basuto seemed, at this point, to be entirely bereft of his senses as he raced screaming round the outer ring of dancers, turning ceaseless Catherine wheels in the dust until I feared his bare back must be completely flayed.

Wild, however, as both song and dance became there was a planned rhythmic background carried out to a definite pattern, which maintained an impressive dignity and prevented the actions of the dancers from becoming a disorderly rough and tumble.

This rhythmic chanting to the thunder of drum and xylophone can, in fact, sound most impressive when heard reverberating in the bush at dead of night.

Frantically I wrestled with my sketching, for, by now, I felt my own eyes were starting from my head as much as those of the dancers, and my brain was whirling in unison with their feet.

How long they would have kept up this ever-increasing volume of sound and movement I do not know. They are capable of dancing for an incredible number of hours, but on this occasion one of Johannesburg's most violent thunderstorms intervened.

Next week Richard Ogle returns to a study of wild life in the Kruger Game Reserve in the North Transvaal.



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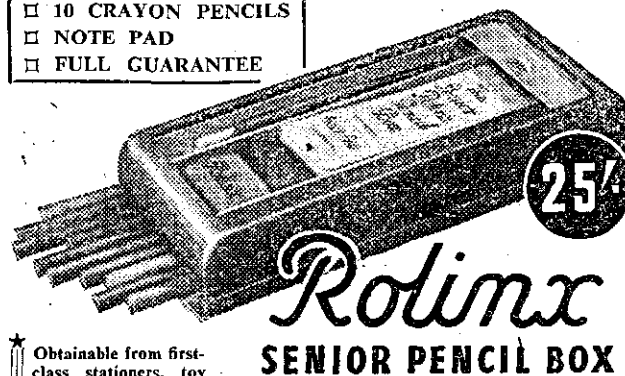
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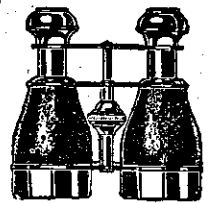
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P. A. ADOLPH (T.C.17) The Lodge, Langton Green, Tunbridge Wells, Kent.

Drama in the cathedral

Young needlewomen of Southwark have made some of the costumes for the spectacular modern morality play. *Your Trumpets, Angels!* which opens this week in Southwark Cathedral, London's oldest Gothic church.

In the play there is a bird ballet, and the 17 bird costumes have been made by 45 girls of the needlework classes of Elizabeth Newcomen Secondary Technical School in Southwark. The costumes are for a Phoenix, Vulture, Crow, Eagle, Jay, Blue Tit, Kingfisher, Sparrow, Swan, Falcon, Cock, and Canaries; and there is also a Turtle costume.

Written by K. M. Baxter and with music by Christopher le Fleming, this is a morality drama of modern life against the historic background of Southwark, and illustrates the progress of love, human and divine. Chaucer, Shakespeare, Donne, and Pepys speak their own words, and modern gangsters intrude.

The story is told in drama, music, mime, song, and ballet.

Among the cast of 120 are amateurs from Southwark and London, reinforced by well-known actors.

So that the normal services in the cathedral shall not be interfered with, a special stage in tiers has been built which can be removed and replaced by volunteers.

The girls of Elizabeth Newcomen School are justifiably proud of their share. The school has had a long connection with Southwark, having been founded in 1675, and today the girls are trained for the catering trade and for nursery nursing.

Your Trumpets, Angels! is the Diocese of Southwark's contribution to the Festival. The play is being performed on Wednesdays, Thursdays, and Fridays at 7.30 p.m., and on Saturdays at 2.30 and 5.30 p.m. (except June 16) until July 7.

Living link with Hippocrates

A CUTTING from a tree standing on the site of the oldest medical school and clinic in the world has been planted in the garden of the British Medical Association House in London.

It is from the plane tree of Hippocrates, on the Greek island of Cos, and it was brought here by Dr Loverdos, a Greek physician who has come to study, as a gesture of good will from the doctors of Greece.

The tree is an oriental plane with a trunk 36 feet in girth, and it stands in the centre of Cos, where Hippocrates was born in 460 B.C.

STAMP NEWS

FOUR new stamps will mark the 100th anniversary of Canada's first stamp next September. They will show the progress made in rail and steamship travel, and the advance from coach and horses to the aeroplane. One will have the same design as the 1851 stamps.

HOLLAND's annual summer charity set of 1951 shows some old Dutch castles.

THE German composer Gustav Albert Lortzing and Austrian composer Joseph Lanner, both born in 1801, have been honoured by special stamps.

A NEW set of stamps from Japan pays tribute to her postal services, now 80 years old.

Surgery taught by colour TV

SURGEONS at work in an operating theatre in the General Hospital, Kansas City, were watched recently on a television screen by hundreds of Missouri doctors a mile away in the Municipal Auditorium. The occasion was a meeting of the Missouri State Medical Association, and the television was in colour.

After being given visual lessons in surgery, the visiting doctors heard talks by specialists on arthritis, baby-saving, and care of the teeth.

Some 573 million school dinners were served in England and Wales last year.

GREAT GEORGE

LIVERPOOL now has the second biggest bell in the British Empire—second only to the 163-ton Great Paul of St Paul's Cathedral.

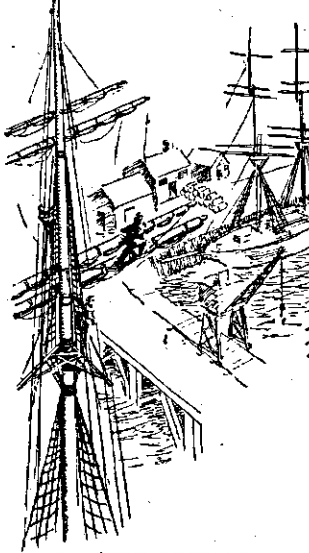
Weighing 15 tons and named Great George in memory of King George the Fifth, this bell was recently hung in Liverpool Cathedral.

It is the Bourdon, that is, the heaviest and deepest toned of the peal in the belfry, and the successful lifting of this ten-foot giant into position, 250 feet above the ground, was a difficult feat.

This bell will not be rung in the traditional way, but will hang stationary and be sounded by means of an inside clapper, fitted with a lever. It will be rung once only at first, as it is feared it may shake the foundations, in spite of the fact that the belfry is equipped with special steel framework to support bells of great weight.

Sailors say...

(The nautical origins of terms in everyday use.)



8. SKYLARKING

WE use this expression to describe an unruly form of play—in the back yard or in the house. Originally it referred to adventurous boys or lads playing in the rigging of sailing ships while they were lying in harbour.

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Hoverplane which hops from the back garden

By the CN Air Correspondent

THE Hiller Hornet, a tiny American two-seat helicopter, will soon be bringing the jet age to the back garden. It can be stored away in a garage of average size and flown off the lawn.

The designer of this amazing little machine is a brilliant young American, Stanley Hiller. At the age of 12 he ran his own toy car factory, but the air held such a fascination for him that he began building model planes.

At the age of 16 he started designing helicopters, and by the time he was 18 he had produced his first full-size machine, which flew remarkably well.

Soon after the war Hiller, with an eye to the great future for hoverplanes, started his own firm, known as Hiller Helicopters, Inc.

The Hornet, instead of carrying a motor in the fuselage, has two ram-jet engines, one mounted on each end of the rotor. Weighing only eleven pounds, these baby engines have no moving parts. They heat the air and compress it, and the fiery exhausts thrust the rotor round at 500 r.p.m.

By using this type of power Hiller overcame the need for the weighty and complicated transmission gears needed in conventional helicopters. This not only reduces the cost of the machine very considerably but makes it as simple to handle as a car.

There are, in fact, only two controls. The first is an overhead control stick to determine the

direction of flight, and the other is a "collective pitch lever" for vertical up-and-down flight. Attached to this is a throttle which controls the flow of the fuel.

Although the fuel consumption is high—the jets "drink" it at the rate of one and a half gallons a minute—it is being cut by newer engines. The machine can hop over distances of up to 50 miles at speeds between 70 and 80 m.p.h.

Stanley Hiller is too busy producing ambulance helicopters for Korea at present to build more than a dozen of these minute aircraft. Once this dire need is over, however, there is little doubt that Hiller Hornets will be a-buzzing in the air in swarms in the United States, and that they will quickly make their appearance in Britain and other European countries.

The long-awaited plane for Mr Everyman is just around the corner.



The Hiller Hornet in flight

India has a shouting gallery

VISITORS to London are familiar with the Whispering Gallery of St Paul's Cathedral, but India can beat this with a shouting gallery in which rippling laughter is answered by fiendish sounds, and the tearing of a paper echoes like the sound of thunder.

This gallery of weird echoes is in the great Gul Gumbaz dome at Bijapur, which is to be re-opened at the end of this month after having been closed for a long time. The Gul Gumbaz was built in the same century as St Paul's, and its dome, almost a perfect hemisphere, is one of the biggest in the world.

The mosque was erected from 1626 to 1656 as a tomb for Sultan Mahommed Adil Shah, who at

that period ruled an independent kingdom of which Bijapur was the capital. In the 17th century the dome was covered with gold leaf, which has long since disappeared.

Today Bijapur, in the south of Bombay province, is a place of memories.

When the Moslem sultans held court here in splendour and magnificence it had many other noble buildings. Yet only 30 years after the massive Gul Gumbaz was completed there came another Moslem conqueror, the Mogul Emperor Aurungzebe, who sat in the city's exquisite palace while the last of the Bijapur sultans was brought before him in silver chains.

OPERATION FACE-LIFT

IF you visit the district around Johannesburg in the near future you will quickly become aware of O.F.L.—Operation Face-Lift.

The operation has nothing to do with the beauty parlour; it is concerned with beautifying the unsightly heaps of yellow mine sand towering in the air all the way from Randfontein to Springs.

Some years ago, at Selby, in the western suburbs of Johannesburg, the top soil from a building

site was spread over the 60 acres of dump, soil-fixing grasses were sown, and ornamental trees planted. Today the former mine dump is graced with lawns and trees; it is a luxuriant garden 400 feet above the rooftops of the city.

Now South Africans are saying: "If this can be done to one old dump it can be done to others." That is where O.F.L. comes in—a planned attempt to make the Rand beautiful as well as wealthy.

SPORTS SHORTS

JAMES LANGRIDGE, of Sussex, has joined that select group of cricketers who have scored 25,000 runs and taken 1500 wickets. The others are: W. G. Grace, Wilfred Rhodes, George Hirst, J. W. Hearne, and Frank Woolley.

OWEN WILLIAMS, 21-year-old lawn tennis player of Port Elizabeth, South Africa, hopes to play at Wimbledon this year. To get to England he has signed on as assistant cook on the liner Pretoria Castle.

THE Australian Women's cricket team now touring this country will tread historic turf next Saturday when they meet a Yorkshire team at Headingley, Leeds.

JOHN CRAPP, the Cornish-born Gloucestershire left-handed batsman, takes his benefit this week-end in the match against Lancashire at Bristol. He has scored over 15,000 runs since making his county debut in 1936, and has played in seven Test matches.

THIS season's first Speedway Test match between England and Australia will be staged at Harringay on Friday evening (June 1). This match will be a "rubber," for the previous four Tests staged at Harringay have resulted in two victories for each country.

ABE SEGAL and Russell Seymour, 20-year-old South Africans from Johannesburg, hope to play at Wimbledon this month. They have a "three-year plan" which they intend shall take them to the top on the world's tennis courts.

BOBBY ROBSON is only 18, but he is one of the most promising young footballers in Britain. He made his League debut with Fulham towards the end of last season and as reward for his fine displays was chosen to accompany the Fulham party on their American and Canadian tour.

Historic mansion to be a school

THE Kent Education Committee are to restore Foots Cray Place, Sidcup, as a school.

Gutted by fire in October 1949, this mansion was once a meeting-place of ambassadors and business magnates; here they took tea on the lawns, walked in the lovely gardens, and rowed on the River Cray running through the grounds.

Edison walked these lawns when it was the home of Sir John Pender, a British electricity pioneer. It was Sir John who found £250,000 to guarantee the second trans-Atlantic cable after the first had broken and, by enthusiastic support of the venture, brought about its eventual success. Later he played a leading part in the electric lighting of London.

Another celebrated resident of Foots Cray Place was Lord Bexley who, as Nicholas Vansittart, was Chancellor of the Exchequer, and made himself unpopular in 1816 by refusing to abolish Income Tax!

A more recent resident was that great public-spirited man the late Lord Waring.

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THE BRAN TUB

In operation

THE wife of the famous surgeon came to the end of her book only to discover that a number of pages had been torn out.

"Did you tear out these pages?" she inquired of her husband.

"Yes, my dear," said the surgeon. "It was the Appendix, and I took it out without thinking."

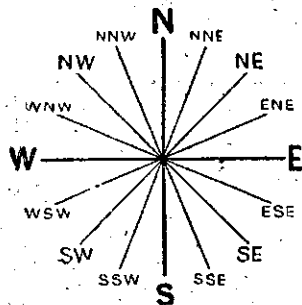
Hidden butterfly

TAKE for your first a well-known bird. Your next, although it seems absurd, You need what some cats always lack, Your whole makes a butterfly, yellow and black.

Answer next week

Finding your way

DRAW the compass points on a postcard, like this:



Keep this in your pocket when hiking, and at midday, Greenwich Mean Time, of course, not Summer Time, the sun will be due south, and you can fix your direction.

BEDTIME CORNER

Mr Portly solves a mystery

"I say, Mr Portly. Have you been fighting?" asked Snowball as he met his friend one morning.

"No," replied Mr Portly. "Why?"

"Well, there were tufts of your hair on the lawn yesterday—though they seem to have gone now—and I wondered?"

"Oh, that!" Mr Portly gave a delightful little purr of laughter. "No! That wasn't the result of a fight. Ann had been combing me out there to remove loose hairs. I'm shedding my winter coat. Aren't you? Ann combs me every day just now."

"I wish my mistress did," said Snowball enviously. "Then I wouldn't get these balls of loose hair in my throat after washing. They make me so sick."

"I know," said Mr Portly sympathetically. "But it's funny you should notice there are no tufts of hair on the lawn now," he went on. "Now I think of it, there never are next morning. I wonder what happens to it?"

Everyone was taken with Jacko's idea



"IT'S about time we had a family photograph taken," said Father Jacko one day. Everyone agreed, and that afternoon they were being grouped in the studio. After a while the photographer got them in the position he wanted. "Hold it," he commanded. "Watch the dicky-bird," said Jacko, and released a toy bird from under his coat. The expressions on all the faces as the photographer pressed the bulb can be imagined. Needless to say, that was one photograph that did not get into the album!

Brevity

"I AM a woman of few words," said the haughty mistress to the new maid. "When I beckon with my finger, that means Come."

"That suits me, ma'am. I'm a woman of few words, too. When I shake my head that means I'm not coming."

Restless

THERE was a young lady named Campbell,
Who after a very long ramble,
Sat down near a stream,
But arose with a scream,
For she'd taken a seat on a bramble.

Only thing left

A MAN who took great pride in his lawn found to his dismay a heavy crop of dandelions. He did everything he could to get rid of them, but without success.

Finally he wrote to an agriculture expert stating all the methods he had tried and asking for advice.

In due course a reply came. "We suggest you learn to love them."

Countryside flowers

THE beautiful little violets, so often found growing in profusion on grassy slopes are usually Dog-Violets, the most common of British species.



Dog-Violets grow throughout the country. The flowers are of a paler hue than those of the sweet-violet, their petals are more open, and they bloom for a longer period. The leaves are also narrower and more pointed, and the plant is quite hairless.

Chain-quiz

The answers to the clues below are linked together, the last two letters of the first answer being the first two letters of the second answer, and so on. See if you can find the four answers.

1. Italian physicist and mathematician (1608-47); devised way of measuring atmospheric pressure by using column of mercury, the first barometer; vacuum at top of column bears his name.
2. Tallest statue in world; work of French sculptor Bartholdi; gift of France to U.S., commemorating 100 years of American independence.
3. English translator and martyr; the Authorised Version of Bible was largely based on his translation, which had to be printed secretly; executed as a heretic in Belgium.
4. French tennis star; won Ladies' Singles at Wimbledon several times; lost only one set as amateur after 1919.

Answer next week

Crossword puzzle

Reading across. 1 Heavenly body. 4 Australian birds. 8 A number. 9 Entertain. 10 Finished. 12 Charge. 13 Myself. 14 Flat floating structure. 16 Agitation. 20 Emperor of Russia. 21 Conjunction. 23 Small island. 25 Member of black-skinned race. 27 Plume. 29 Self. 30 Brave man. 31 So be it.

Reading down. 1 Halt. 2 Dogma. 3 Conjunction. 4 Printer's measure. 5 Civilian clothes. 6 Employ. 7 This is down. 9 Stubborn. 11 Makes mistake. 15 Front. 17 Say. 18 Big. 19 Every. 22 Shortly. 24 Anger. 26 Precious stone. 28 Thus.

Answer next week

Missing letter

THE same vowel inserted 17 times will make this an intelligible sentence.

PRSVRYPRFCTMNVKRP
THSPRCPTSTN

Answer next week

Farmer Gray explains

THE Purple Emperor. In the Big-woods, Don saw a large, brownish-black butterfly hovering amidst the foliage of a huge oak; its wings bore white markings.

"What a beauty!" Don exclaimed to Farmer Gray, as the lovely insect settled on a leaf.

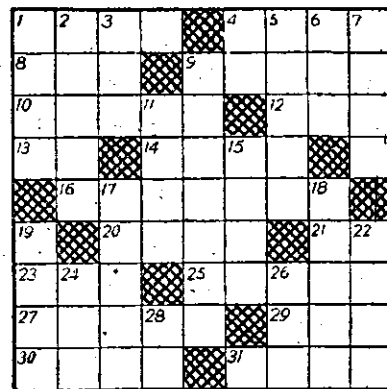
"It is a Purple Emperor," replied the farmer.

"It doesn't look very purple," remarked Don in surprise.

"No, the purple sheen only becomes obvious when the wings are seen from a certain angle," explained Farmer Gray.

At that moment the butterfly fluttered off, and, to Don's delight, the velvet wings were suddenly transformed to a beautiful purple hue.

The Children's Newspaper, June 2, 1951



Last week's answers

How tall? Alan 5 feet 4 inches, Brian 3 feet 6 inches, Colin 2 feet 9 inches

Jumbled countries. Australia, Norway, Persia, Denmark, Argentina, Indonesia

Riddle-my-name. Roger

Chain-quiz. Clarinet, Etna, Nansen, Endymion

Delayed

"WELL! That's a fine welcome," said the father, visiting his son at a boarding school. "I'm hardly out of the train before you ask me for more pocket money"

"Well, you must admit, Dad, that the train was nearly twenty minutes late."

Built up word

FIFTY-FIVE and vowels three, rightly placed, you soon will see
Birth and rank and royalty,
All are found where I may be.

Answer next week

Making sure

THE hotel page boy was walking through the lounge calling: "Mr Pristlenchaffer, call for Mr Pristlenchaffer."

A gentleman stopped him. "What initial, please?"

TRICK TIME for Rowntree's Gumsters

